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<b>Notice of Allowability</b>	<b>Application No.</b>	<b>Applicant(s)</b>	
	09/938,445	OZ ET AL.	
	<b>Examiner</b>	<b>Art Unit</b>	
	ALEXANDER BOAKYE	2667	

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 11/02/2005 & 1/11/06
2. ☒ The allowed claim(s) is/are  
34, 35, 36, 45, 46, 47, 48, 37, 98, 99, 100, 101, 39, 102, 103, 104, 105, 40, 106, 107, 108, 109, 41, 42, 110, 111, 112, 113, 43, 114, 115, 116, 117, 44, 118, 119, 120, 121, 49, 50, 51, 52, 53, 54, 56; renumbered as 1-45 respectively.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☐ All    b) ☐ Some\*    c) ☐ None    of the:
  1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  5. ☐ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
    - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
      - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
    - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

- |   |  |
|---|--|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892)  | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)            |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                | 6. <input type="checkbox"/> Interview Summary (PTO-413),<br>Paper No./Mail Date _____. |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),<br>Paper No./Mail Date _____ | 7. <input type="checkbox"/> Examiner's Amendment/Comment                               |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit<br>of Biological Material          | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance   |
|   | 9. <input type="checkbox"/> Other _____.   |

## **REASONS FOR ALLOWANCE**

1. The following is an examiner's statement of reasons for allowance: Claims 34-37, 39-54, 56 and 98-121 are considered allowable since when reading the claims in light of the specification, none of the references of record alone or in combination disclose or suggest the combinations of limitations specified in the independent claims. As to claims 34-36 and 45-48, the prior art of record does not teach a policy database, connected to the communication bus, the session manager producing the routing instructions at least according to policy information retrieved from the policy database. As to claims 37 and 98-101, the prior art of record does not teach a bandwidth utilization detection unit, connected to the communication bus, the session manager producing the routing instructions at least according to bandwidth utilization information received from the bandwidth utilization detection unit.

As to claims 39 and 102-105, the prior art of record does not teach a dynamic network restructuring unit, connected to the communication bus, wherein the network transmitters are further connected to the communication bus, wherein the dynamic network restructuring unit provides channel managing commands to each the network transmitters, receiving data from the router. As to claims 40 and 106-109, the prior art of record does not teach wherein the session manager receives a plurality of session requests, for executing a session through the broadband multimedia system, the

session manager either allows or denies each the session requests, the session manager provides resource allocation parameters for each the allowed sessions.

As to claims 41, 42 and 110-113, the prior art of record does not teach further comprising an RF switch, connected to the communication bus and further between the network transmitters and a plurality of RF combiners, the RF switch directing RF signals from selected ones of the network transmitters to selected ones of the RF combiners. As to claims 43 and 114-117, the prior art of record does not teach wherein at least selected ones of the network transmitters are QAM units. As to claims 44 and 118-121, the prior art of record does not teach wherein the broadband network is an HFC network.

As to claims 49-54 and 56, the prior art of record does not teach wherein the at least one policy database is selected from the list consisting of: a general policy database; a network policy database; a sub-network policy database; a target policy database; and an external application policy database. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

### **Conclusion**

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2. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Alexander Boakye whose telephone number is (571) 272-3183. The examiner can normally be reached on M-F from 8:30am to 6:00pm.


If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Chi Pham, can be reached on (571) 272-3179. The Central Fax number is (571) 273-8300. Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Electronic Business Center numbers 866-217-9197 and 703-305-3028.

Alexander Boakye

Patent Examiner

AB

01/14/06

  
CHI PHAM  
SUPERVISORY PATENT EXAMINER  
ELECTRONIC BUSINESS CENTER  
1/17/06